OptoTech

SMP 801 CNC

Pre-, Fine and Optional Finest Grinding of Plano Surfaces

CNC-controlled plano grinding machine SMP 801 CNC with KombiTool Technology for cut to polish quality and optional second tool spindle for finest processing (3C–Technology).

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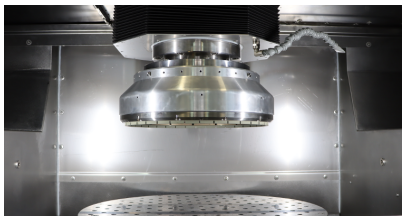
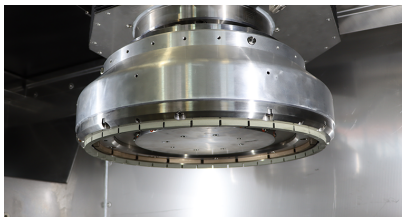
Technical data

	SMP 801 CNC
Application	Pre-, Fine and Optional Finest Grinding of Plano Surfaces
Working Range Diameter	0 mm - 800 mm
Clamping Technology	Vacuum Table or Magnetic Table
Control	Siemens Sinumerik 840 D solution line
Tool Spindles	Speed: 0 - 2850 rpm; Interface: Flange
Workpiece Spindle	Speed: 0 - 250 rpm; Interface: Flange
Vacuum	-0.6 bar
Air Pressure Requirement	6 bar
Power Requirement (others on request)	37 kW
Dimensions	Width: 2600 mm, Height: 2850 mm, Depth: 2800 mm; Without control panel
Weight (approx.)	8000 kg; depending on configutation
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





Highlights

- Two step processing in one work cycle with the KombiTool / KombiTool+ [link] (combined rough and fine grinding tool)
- Optional third processing step using diamond pellet tool or diamond foil tool (3C-Technology, requires second Z-Axis)
- Precise plano surfacing to polishable quality due to optimised grinding parameters with multi-cut technology, adjusted speed and feed rates for all spindles
- New drive concepts with highly dynamic digital drives for all axes
- Microsoft Windows operating system with OptoTech user interface, graphically controlled, ensuring shorter set-up times
- Design according to current EMV- and CE-requirements

System advantages

- High precision surface generation
- Optimized machining parameters for cut-to-polish grinding
- 3C-Technology Option for even better surface qualities and up to 30-50% shorter polishing cycle times

Options

- 2nd Tool Spindle with integrated 2nd Z-Axis for 3C Technology (TwinCut-Version)
- Vacuum Table, Magnetic Table, Combined Vacuum and Magnetic Table
- OptoTech KombiTool and Plano Finest Grinding Tool
- Hydro Expansion Clamping Technology for standard plano tools

Valid: 25.07.2024, subject to change without notice

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